

March 23, 2006

Tom Daugherty
Blue Water Technologies, Inc.
10108 N. Atlas Rd.
Hayden, ID 83835

Re: Approval of Centra-flo continuous backwash up-flow sand filter technology

Dear Mr. Daugherty:

For the purposes of complying with the filtration technology approval requirements of our rules, I am hereby approving this particular technology under the following conditions for this project and similar wastewater projects in Idaho. This is not an endorsement of this technology, nor is it an approval of any other portion of the equipment.

Idaho DEQ approval is based on an upflow deep bed continuous backwash filter with a media depth of 40 inches of sand with an effective size of 0.92 to 0.95 millimeters and a uniformity coefficient of 1.50; complete recycling of the filter media every three to four hours; and turbidity performance limited to Section 601.06.b of IDAPA 58.01.17.

Further, acceptance of this technology is contingent on the influent to the filter being coagulated; having an influent turbidity of less than 10 NTU; having loading rates not to exceed 5 gal/sq ft²min; and being complimented with a disinfection process that will achieve the limits stated in Section 600.07.a of IDAPA 58.01.17.

Coagulation may be waived if the filter effluent does not exceed 2 NTU, the filter influent is continuously monitored, the filter influent turbidity does not exceed 5 NTU, and automatically activated chemical addition or diversion facilities are provided in the event filter effluent turbidity exceeds 5 NTU.

Individual projects proposing incorporating the use of this filtration technology will continue to require full plan and specification review and approval by DEQ regional offices.

Very truly yours,

K. Mark Mason, P.E.
DEQ Wastewater Program

Copy: John Tindall, P.E., DEQ CDA Regional Office
Tom Moore, P.E., DEQ Lewiston Regional Office
Chas Aris, P.E., DEQ Boise Regional Office
Greg Misbach, P.E., DEQ Twin Fall Regional Office

John Kirkpatrick, P.E., Pocatello Regional Office
Willie Teuscher, P.E., Idaho Falls Regional Office
Richard Huddleston, P.E., DEQ Wastewater Program Manager